

POLYCHIM D 10 BS

Polypropylene Homopolymer
POLYCHIM INDUSTRIES

Message:

POLYCHIM D 10 BS is a Polypropylene Homopolymer (PP Homopolymer) product. It can be processed by fiber (spinning) extrusion or injection molding and is available in Europe. Typical application: Fabrics/Fibers. Primary characteristic: homopolymer.

General Information			
Features	Homopolymer		
	Narrow Molecular Weight Distribution		
Uses	Fibers		
Processing Method	Fiber (Spinning) Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	23 to 27	g/10 min	ASTM D1238
Ash Content	320	mg/kg	ASTM D229
Color - Yi	< 0.0		DIN 6167
Xylene Solubles - Atacticity	< 5.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	109		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	34.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	15	%	ASTM D638
Flexural Modulus - 1% Secant ³	< 1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	81.0	°C	
1.8 MPa, Unannealed	49.0	°C	
Vicat Softening Temperature			
--	154	°C	ASTM D1525 ⁴
--	95.0	°C	ASTM D1525 ⁵
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

4.	Loading 1 (10 N)
5.	Loading 2 (50 N)

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